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PTO/SB/21 (05-03)

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TRANSMITTAL FORM

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/772,502
	Filing Date	02/05/2004
	First Named Inventor	David B. Rozema
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	Mirus.042.03

ENCLOSURES <i>(Check all that apply)</i>		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mark K. Johnson
Signature	
Date	11/04/2004

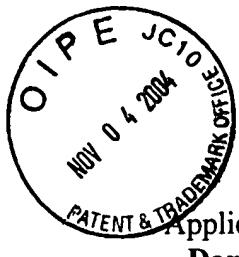
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **David B. Rozema,**)
Darren Wakefield)
Serial No.: **10/772,502**)
Filed: **02/05/2004**)
Group Art Unit:)

For: **Polyvinylethers for delivery of polynucleotides to mammalian cells**

INFORMATIONAL STATEMENT

Commissioner of Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. This information statement supplements the previously filed information statement.

UNITED STATES PATENTS

Patent No.	Inventor	Issue Date
6,383,811	Wolff, Jon A. et al.	May 7, 2002

REFERENCES CITED

Akhtar S et al. "The delivery of antisense therapeutics." Adv Drug Deliv Rev; 2000 Vol. 44 no. 1 pp. 3-21.
Budker V et al. "Naked DNA delivered intraportally expresses efficiently in hepatocytes." Gene Therapy; 1996 Vol. 3 No. 7 pp. 593-598.
Carrasco L "Entry of animal viruses and macromolecules into cells." FEBS Lett; 1994 Vol. 350 no. 2-3 pp. 151-4.
Cheung CY et al. "A pH-sensitive polymer that enhances cationic lipid-mediated gene transfer." Bioconjug Chem; 2001 Vol. 12 no. 6 pp. 906-910.

Ghosh C et al. "Intracellular delivery strategies for antisense phosphorodiamidate morpholino oligomers." *Antisense Nucleic Acid Drug Dev*; 2000 Vol. 10 no. 4 pp. 263-74.

Han S et al. "Water-soluble Lipopolymer for Gene Delivery." *Bioconjug Chem* 2001 Vol. 12 pp. 337-345.

Kyriakides TR et al. "pH-sensitive polymers that enhance intracellular drug delivery in vivo." *J Control Release*; 2002 Vol. 78 no. 1-3 pp. 295-303.

Lackey CA et al. "Hemolytic Activity of pH-Responsive Polymer-Streptavidin Bioconjugates." *Bioconjugate Chem*; 1999 Vol. 10 no. 3 pp. 401.

Lackey et al. "A biomimetic pH-responsive polymer directs endosomal release and intracellular delivery of an endocytosed antibody complex." *Bioconjug Chem*. 2002 Vol. 13 No. 5 pp. 996-1001.

Murthy N et al. "The design and synthesis of polymers for eukaryotic membrane disruption." *J Control Release* 1999 Vol. 61 pp. 137-143.

Oku N et al. "A novel non-viral gene transfer system, polycation liposomes." *Adv Drug Deliv Rev* 2001 Vol. 21 pp. 209-218.

Plank C et al. "Application of membrane-active peptides for drug and gene delivery across cellular membranes." *Adv Drug Deliv Rev* 1998 Vol. 34 no. 1 pp. 21-35.

Plank C. et al. "The influence of endosome-disruptive peptides on gene transfer using synthetic virus-like gene transfer systems." *J Biol Chem* 1994 Vol. 269 No. 17 pp. 12918-12924.

Robaczewska MS et al. "Inhibition of hepadnaviral replication by polyethylenimine-based intravenous delivery of antisense phosphodiester oligodeoxynucleotides to the liver." *Gene Ther*; 2001 Vol. 8 no. 11 pp. 874-881.

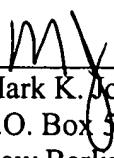
Tonge SR et al. "Responsive hydrophobically associating polymers: a review of structure and properties." *Adv Drug Deliv Rev* 2001 Vol. 53 pp. 109-122.

Zhang G et al. "High Levels of Foreign Gene Expression in Hepatocytes after Tail Vein Injections of Naked Plasmid DNA," *Human Gene Therapy* 1999 Vol. 10 No. 10 pp. 1735-1737

Zhang X et al. "In vivo gene delivery via portal vein and bile duct to individual lobes of the rat liver using a polylysine-based nonviral DNA vector in combination with chloroquine." *Hum Gene Ther*, 2001 Vol. 12 no. 18 pp. 2179-90.

Applicant respectfully requests that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the 'References Cited' on any patent to issue herefrom.

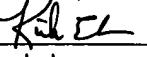
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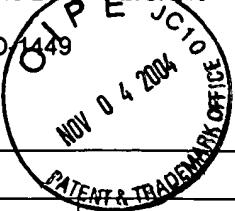
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449 	Attorney Docket No.: Mirus.042.03	Serial No.: 10/772,502
	Applicant: David B. Rozema, Darren Wakefield	Group:
		Examiner:

U.S. PATENT DOCUMENTS

Exmnr Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date
		6,383,811	05/07/2002	Wolff, Jon A. et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		Document Number	Publication Date	Country or Patent Office	Class	Sub Class	Transl. yes	no

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

	Akhtar S et al. "The delivery of antisense therapeutics." Adv Drug Deliv Rev; 2000 Vol. 44 no. 1 pp. 3-21.
	Budker V et al. "Naked DNA delivered intraportally expresses efficiently in hepatocytes." Gene Therapy; 1996 Vol. 3 No. 7 pp. 593-598.
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Examiner:	Date Considered:
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